

SINGLE-CRYSTAL FERRITE FINE POWDER

ABSTRACT OF THE DISCLOSURE

A ferrite fine powder having a mean particle size of 0.1 to 30  $\mu\text{m}$  and consisting of spherical single-crystal particles. The ferrite fine powder has superior physical properties and excellent magnetic properties desirable for the use as a raw material for a dust core of coils, transformers, etc. The powder is prepared by forming a solution or suspension containing a compound or compounds of at least one of the metals composing ferrite into fine droplets, and thermally decomposing the droplets at elevated temperatures.

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